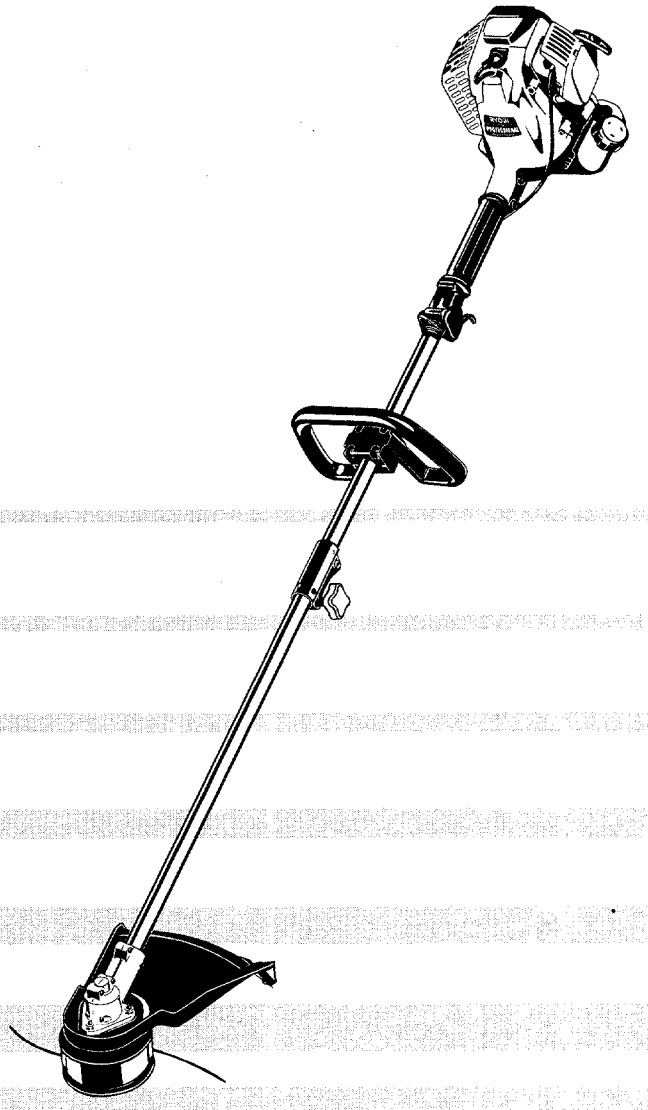
1079r

4-Cycle Gas Trimmer

OPERATOR'S MANUAL

FOR QUESTIONS, CALL 1-800-345-8746 in U.S. or
1-800-265-6778 in CANADA
www.ryobi.com

IMPORTANT MANUAL **DO NOT THROW AWAY**

INTRODUCTION

THANK YOU

Thank you for buying this quality product. This modern outdoor power tool will provide many hours of useful service. You will find it to be a great labor-saving device. This operator's manual provides you with easy-to-understand operating instructions. Read the whole manual and follow all the instructions to keep your new outdoor power tool in top operating condition. The other manual that came with your power tool, the parts manual, contains all the information that you need to order parts.

PRODUCT REFERENCES, ILLUSTRATIONS AND SPECIFICATIONS

All information, illustrations and specifications in this manual are based on the latest product information available at the time of printing. We reserve the right to make changes at any time without notice.

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Click-Link® is a registered trademark of Ryobi Outdoor Products.

Bump Head™ is a trademark of Ryobi Outdoor Products.

SERVICE INFORMATION

Service on this unit both within and after the warranty period should be performed only by an authorized and approved service dealer.
Dial:

1-800-345-8746 in the United States or
1-800-265-6778 in Canada

to obtain the listing of the authorized service dealer nearest you.

DO NOT RETURN THE UNIT TO THE RETAILER.

NOTE: PROOF OF PURCHASE WILL BE REQUIRED FOR WARRANTY SERVICE.

Make sure this manual is carefully read and understood before starting or operating this equipment.

THIS PRODUCT IS COVERED BY ONE OR MORE OF THE US PATENTS LISTED BELOW: 5,076,149; 4,901,682; 4,779,405; 4,651,422; 4,505,040; 4,463,498; 4,369,742; 4,342,236; 4,223,441; 2,125,688; D-249,012; D-239,329;

OTHER PATENTS PENDING.

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CONTENTS OF CARTON

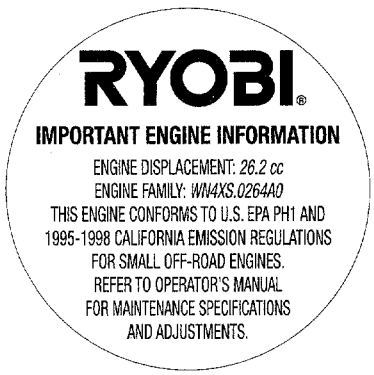
This carton should include of the following:

- Model 1079r Trimmer
- Operator's Manual
- Parts Manual
- Product Registration Card
- Bottle of 4-Cycle Oil

CALIFORNIA EMISSION REGULATIONS

This unit meets the 1995 to 1998 California emissions regulations for small off-road engines. These units are identified by the label on the engine of your product. A typical identification label is shown.

To ensure that your unit continues to meet these regulations, refer to the following information and instructions in this operator's manual.



California Proposition 65 Warning:

WARNING

THE ENGINE EXHAUST FROM THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

SPARK ARRESTOR

NOTE: For users on U.S. Forest Land and in the states of California, Maine, Oregon and Washington. All U.S. Forest Land and the state of California (Public Resources Codes 4442 and 4443), Oregon and Washington require, by law that certain internal combustion engines operated on forest brush and/or grass-covered areas be equipped with a spark arrestor, maintained in effective working order, or the engine be constructed, equipped and maintained for the prevention of fire. Check with your state or local authorities for regulations pertaining to these requirements. Failure to follow these requirements could subject you to liability or a fine. **This unit is factory equipped with a spark arrestor**. If it requires replacement, ask your LOCAL SERVICE dealer to install the **Accessory Part #182153 Spark Arrestor Kit.**

FOR QUESTIONS, CALL 1-800-345-8746 IN U.S. OR 1-800-265-6778 in CANADA

WARNING!

Read the Operator's Manual(s) and follow all warnings and safety instructions. Failure to do so can result in serious injury to the operator and/or bystanders.

RULES FOR SAFE OPERATION

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and their explanations, deserve your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.

SYMBOL	MEANING
	SAFETY ALERT SYMBOL: Indicates danger, warning, or caution. Attention is required in order to avoid serious personal injury. May be used in conjunction with other symbols or pictographs.
NOTE:	Advises you of information or instructions vital to the operation or maintenance of the equipment.

DANGER: Failure to obey a safety warning will result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock, and personal injury.

WARNING: Failure to obey a safety warning can result in injury to yourself and others. Always follow the safety precautions to reduce the risk of fire, electric shock, and personal injury.

CAUTION: Failure to obey a safety warning may result in property damage or personal injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock, and personal injury.

• IMPORTANT SAFETY INFORMATION •

READ ALL INSTRUCTIONS BEFORE OPERATING

- Read the instructions carefully. Be familiar with the controls and proper use of the unit.
- Do not operate this unit when tired, ill, or under the influence of alcohol, drugs, or medication.
- Children and teens under the age of 15 must not use the unit, except for teens guided by an adult.
- Inspect the unit before use. Replace damaged parts. Check for fuel leaks. Make sure all fasteners are in place and secure. Replace cutting attachment parts that are cracked, chipped, or damaged in any way. Make sure the cutting attachment is properly installed and securely fastened. Be sure the cutting attachment shield is properly attached, and positioned as recommended. Failure to so can result in personal injury to the operator and bystanders, as well as damage to the unit
- Use only 0.095 inch (2.41 mm) diameter genuine Ryobi replacement line. Never use metal-reinforced line, wire, or rope, etc.. These can break off and become a dangerous projectile.
- Be aware of the risk of injury to the head, hands and feet.
- Clear the area to be cut before each use. Remove all objects such as rocks, broken glass, nails, wire, or string which can be thrown or become entangled in the cutting attachment. Clear the area of children, bystanders, and pets. At a minimum, keep all children, bystanders and pets outside a 50 ft. (15 m.) radius; there still may be a risk to bystanders from thrown objects. Bystanders should be encouraged to wear eye protection. If you are approached, stop the engine and cutting attachment immediately.
- Squeeze the throttle control and check that it returns automatically to the neutral position. Make all adjustments or repairs before using unit.

SAFETY WARNINGS FOR GAS TRIMMERS

WARNING: Gasoline is highly flammable, and its vapors can explode if ignited. Take the following precautions:

- Store fuel only in containers specifically designed and approved for the storage of such materials.
- Avoid creating a source of ignition for spilled fuel. Do not start the engine until fuel vapors dissipate.
- Always stop the engine and allow it to cool before filling the fuel tank. Never remove the cap of the fuel tank, or add fuel, when the engine is hot. Never operate the unit without the fuel cap securely in place. Loosen the fuel tank cap slowly to relieve any pressure in the tank.
- Mix and add fuel in a clean, well-ventilated area outdoors where there are no sparks or flames. Slowly remove the fuel cap only after stopping engine. Do not smoke while fueling or mixing fuel. Wipe up any spilled fuel from the unit immediately.
- Move the unit at least 30 ft. (9.1 m) from the fueling source and site before starting the engine. Do not smoke, keep sparks and open flames from the area while adding fuel or operating the unit.

WHILE OPERATING

- Never start or run the unit inside a closed room or building. Breathing exhaust fumes can kill. Operate this unit only in a well ventilated area outdoors.
- Wear safety glasses or goggles that are marked as meeting ANSI Z87.1-1989 standards, and ear/hearing protection when operating this unit. Wear a face or dust mask if the operation is dusty. Long sleeve shirts are recommended.
- Wear heavy, long pants, boots and gloves. Do not wear loose clothing, jewelry, short pants, sandals or go barefoot. Secure hair above shoulder level.
- The cutting attachment shield must always be in place while operating the unit as a trimmer. Do not operate unit without both trimming lines extended, and the proper line installed. Do not extend the trimming line beyond the length of the shield.

RULES FOR SAFE OPERATION

- This unit has a clutch. The cutting attachment remains stationary when the engine is idling. If it does not, have the unit adjusted by an authorized service technician.
- Adjust the Loop Handle to provide the best grip.
- Be sure the cutting attachment is not in contact with anything before starting the unit.
- Use the unit only in daylight or good artificial light.
- Avoid accidental starting. Be in the starting position whenever pulling the starter rope. The operator and unit must be in a stable position while starting. See Starting/Stopping Instructions.
- Use the right tool. Only use this tool for the purpose intended.
- Do not overreach. Always keep proper footing and balance.
- Always hold the unit with both hands when operating. Keep a firm grip on both the front and rear handle or grips.
- Keep hands, face, and feet at a distance from all moving parts. Do not touch or try to stop the cutting attachment when it is rotating.
- Do not touch the engine or muffler. These parts get extremely hot from operation. When turned off they remain hot for a short time.
- Do not operate the engine faster than the speed needed to cut, trim or edge. Do not run the engine at high speed when not cutting.
- Always stop the engine when cutting is delayed or when walking from one cutting location to another.
- If you strike or become entangled with a foreign object, stop the engine immediately and check for damage. Do not operate before repairing damage. Do not operate the unit with loose or damaged parts.
- Stop and switch the engine to off for maintenance, repair, or for changing the cutting attachment or other attachments.
- Use only genuine Ryobi replacement parts when servicing this unit. These parts are available from your authorized service dealer. Do not use parts, accessories or attachments not authorized by Ryobi for this unit. Doing so could lead to serious injury to the user, or damage to the unit, and void your warranty.
- Keep unit clean of vegetation and other materials. They may become lodged between the cutting attachment and shield.
- To reduce fire hazard, replace faulty muffler and spark arrestor, keep the engine and muffler free from grass, leaves, excessive grease or carbon build up.

OTHER SAFETY WARNINGS

- Never store the unit, with fuel in the tank, inside a building where fumes may reach an open flame or spark.
- Allow the engine to cool before storing or transporting. Be sure to secure the unit while transporting.
- Store the unit in a locked up and dry, or high and dry place to prevent unauthorized use or damage. Keep out of the reach of children.
- Never douse or squirt the unit with water or any other liquid. Keep handles dry, clean and free from debris. Clean after each use, see Cleaning and Storage instructions.
- Keep these instructions. Refer to them often and use them to instruct other users. If you loan someone this unit, also loan them these instructions.

WARNING: To avoid serious personal injury do not install a blade on this unit as configured. Brushcutter Kit # 300026 is available to convert this model into a trimmer / brushcutter.

SAVE THESE INSTRUCTION

RULES FOR SAFE OPERATION

SAFETY AND INTERNATIONAL SYMBOLS

This operator's manual describes safety and international symbols and pictographs that may appear on this product. Read the operator's manual for complete safety, assembly, operating and maintenance and repair information.

SYMBOL **MEANING**

- **SAFETY ALERT SYMBOL**

Indicates danger, warning, or caution. May be used in conjunction with other symbols or pictographs.

- **WARNING - READ OPERATOR'S MANUAL**

Failure to follow operating instructions and safety precautions in the operator's manual can result in serious injury. Read the operator's manual before starting or operating this unit.

- **FOR SERVICE INFORMATION, CALL:**

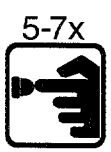
USA: 1-800-345-8746
CANADA: 1-800-265-6778

- **WEAR EYE AND HEARING PROTECTION**

WARNING: Thrown objects and loud noise can cause severe eye injury and hearing loss. Wear eye protection meeting ANSI Z87.1-1989 standards and ear protection when operating this unit.

- **KEEP BYSTANDERS AWAY**

WARNING: Keep all bystanders, especially children and pets, at least 50 feet (15 m.) from the trimming area.



- **PRIMER BULB**

Push primer bulb, fully and slowly, 5 to 7 times.

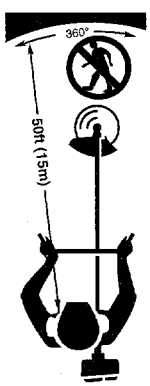
- **UNLEADED FUEL**

Always use clean, fresh unleaded fuel.

- **OIL**

Refer to operator's manual for the proper type of oil.

RULES FOR SAFE OPERATION

SYMBOL	MEANING
	• THROWN OBJECTS AND ROTATING CUTTER CAN CAUSE SEVERE INJURY **WARNING:** Do not operate without the cutting attachment shield in place. Keep away from the rotating cutting attachment.
	• ON/OFF STOP CONTROL ON / START / RUN
	• ON/OFF STOP CONTROL OFF OR STOP
	• HOT SURFACE WARNING Do not touch a hot muffler or cylinder. You may get burned. These parts get extremely hot from operation. When turned off they remain hot for a short time.
	• SHARP BLADE **WARNING:** Sharp blade on string guard. To prevent serious injury, do not touch line cutting blade.
	• CHOKE CONTROL **A.** START position. **B.** RUN position.
	**• TRIMMER/BRUSHCUTTER SAFETY** **WARNING:** Thrown objects and rotating cutter can cause severe injury. Keep bystanders, especially children and pets, at least 50 feet (15 m.) away from the cutting area. The cutting attachment shield must be used when using the trimmer cutting attachment. **WARNING:** To avoid serious personal injury do not install a blade on this unit as configured. Brushcutter Kit # 300026 is available to convert this model into a trimmer / brushcutter.
	WARNING: The operation of any power tool can cause foreign objects to be thrown into your eyes. This can lead to severe eye damage. Before commencing power tool operation, always wear safety glasses or goggles that are marked as meeting ANSI Z87.1-1989 standards, and a full face shield when needed.

RULES FOR SAFE OPERATION

KNOW YOUR UNIT

APPLICATIONS

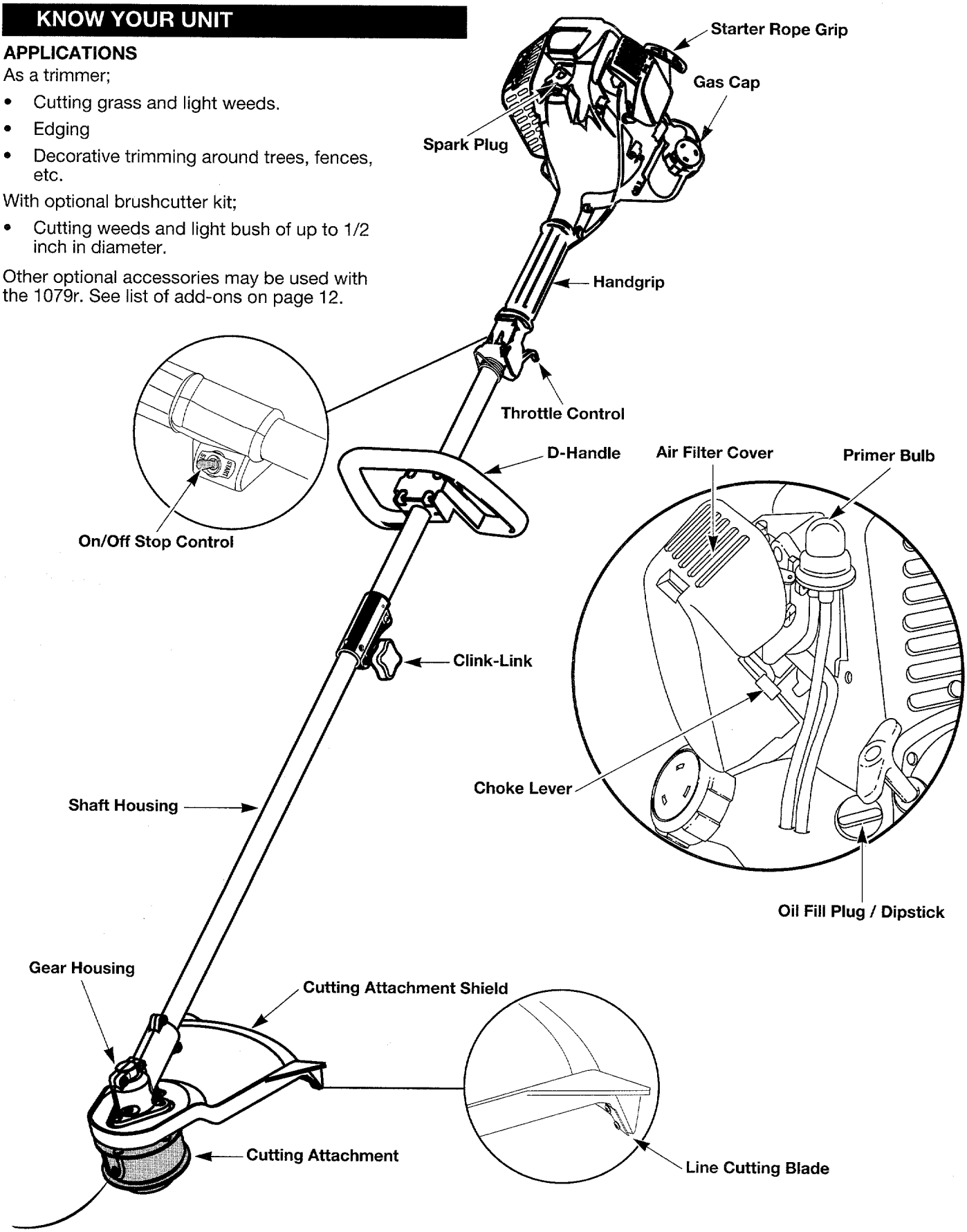
As a trimmer;

- Cutting grass and light weeds.
- Edging
- Decorative trimming around trees, fences, etc.

With optional brushcutter kit;

- Cutting weeds and light bush of up to 1/2 inch in diameter.

Other optional accessories may be used with the 1079r. See list of add-ons on page 12.



OIL AND FUEL INFORMATION

RECOMMENDED OIL TYPE

Using the proper type and weight of oil in the crankcase is extremely important. Check the oil before each use and change the oil regularly. Failure to use the correct oil, or using dirty oil, can cause premature engine wear and failure.

Use a high-quality SAE 30 weight oil of API (American Petroleum Institute) service class SG, SF, SH.

ADDING OIL TO CRANKCASE – INITIAL USE

NOTE: This unit is shipped without being filled with oil. In order to avoid damage to the unit, put oil in the crankcase before attempting to start unit.

Your unit is supplied with one 3.4 fluid oz. (100 ml.) bottle of SAE 30 SF, SG, SH oil (Fig. 1).

NOTE: Save the bottle to measure the correct amount for future oil changes.

1. Open the bottle of oil (Fig. 1).

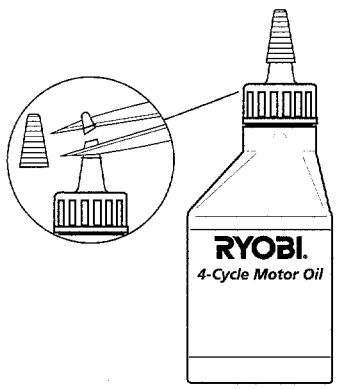


Fig. 1

2. Place the unit on a flat level surface.
3. Remove the oil plug / dipstick from the crankcase (Fig. 2).

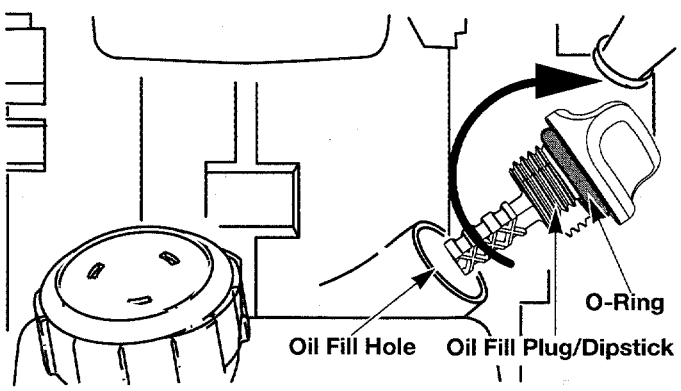


Fig. 2

4. Pour the entire bottle of oil into the oil fill hole (Fig. 3).

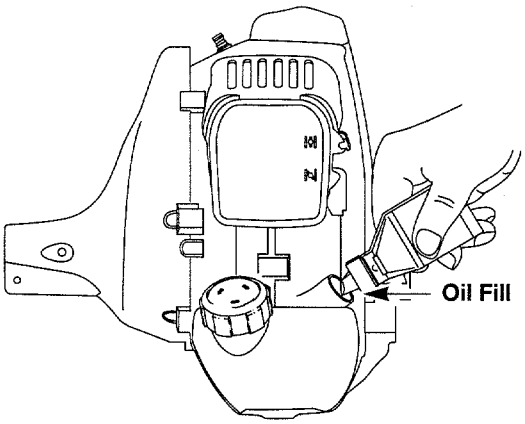


Fig. 3

NOTE: Never add oil to the fuel or fuel tank.

5. Wipe up any oil that may have spilled and reinstall the oil fill plug / dipstick.

The importance of checking and maintaining the proper oil level in the crankcase cannot be overemphasized. Check oil before each use and change as needed. See **Changing the Oil** Pg. 17.

OIL AND FUEL INFORMATION

RECOMMENDED FUEL TYPE

Old fuel is usually the main reason for the unit not running properly. Be sure to use fresh, clean, unleaded Gasoline.

NOTE: This is a four cycle engine. In order to avoid damage to the unit, **do not mix oil with Gasoline**.

Definition of Blended Fuels

Today's fuels are often a blend of gasoline and oxygenates such as ethanol, methanol or MTBE (ether). Alcohol-blended fuel absorbs water. As little as 1% water in the fuel can make fuel and oil separate or form acids when stored. Use fresh fuel (less than 60 days old), when using alcohol-blended fuel.

Using Blended Fuels

If you choose to use a blended fuel, or its use is unavoidable, follow recommended precautions.

- Always use fresh unleaded gasoline
- Use the fuel additive STA-BIL® or an equivalent.
- Drain tank and run the engine dry before storing unit.

Using Fuel Additives

The use of fuel additives, such as STA-BIL® Gas Stabilizer or an equivalent, will inhibit corrosion and minimize the formation of gum deposits. Using a fuel additive can keep fuel from forming harmful deposits in the carburetor for up to six (6) months. Add 0.8 oz. (23 ml.) of fuel additive per gallon of fuel according to the instructions on the container. NEVER add fuel additives directly to the unit's gas tank.

FUELING UNIT

WARNING: Gasoline is extremely flammabl and its vapors can explode if ignited. To avoid serious personal injury, always stop the engine and allow it to cool before filling the fuel tank. Do not smoke while filling the tank. Keep sparks and open flames away from the area.

1. Remove gas cap (Fig. 4).

WARNING: Remove gas cap slowly to avoid injury from gasoline spray.

2. Place spout of gas container into the fill hole on the gas tank (Fig. 4) and fill tank.

WARNING: Add gasoline in a clean, well ventilated area outdoors. Avoid creating a source of ignition for spilt fuel.

NOTE: Do not overfill tank.

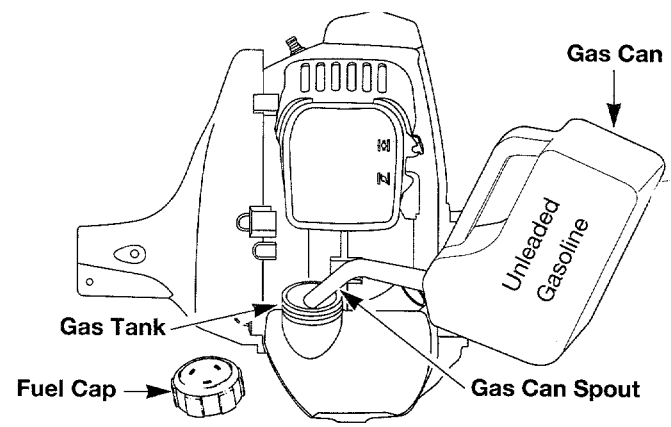


Fig. 4

3. Wipe up any gasoline that may have spilled
4. Reinstall the gas cap.

WARNING: Never operate the unit without the fuel cap securely in place.

5. Move the unit at least 30 ft. (9.1 m) from the fueling source and site before starting the engine.

NOTE: Dispose of the old gasoline in accordance to Federal, State, and Local regulations.

STARTING/STOPPING INSTRUCTIONS

STARTING INSTRUCTIONS

WARNING: Operate this unit only in a well ventilated area outdoors. Carbon monoxide exhaust fumes can be lethal in a confined area.

1. Check oil level in crankcase. See **Checking the Oil Level** Pg. 17.
2. Fill the fuel tank with fresh, clean, unleaded gasoline (see page 10).
3. Put the Start/Stop Engine Control in the **START** [I] position (Fig. 5).

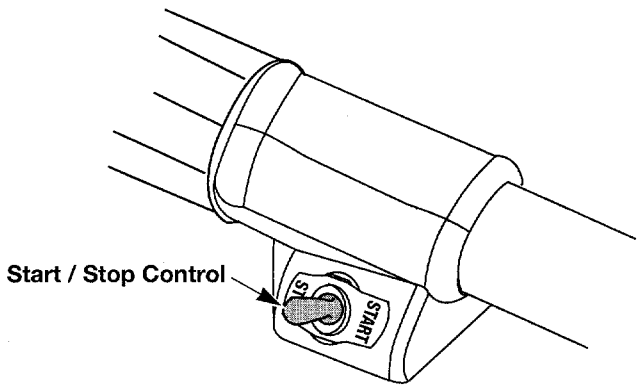


Fig. 5

4. Fully press and release the primer bulb slowly 5 to 7 times. Gasoline should be felt and visible in the bulb (Fig. 6). If gasoline has not entered the bulb, press three more times, or until it does.
5. Place the choke lever in the **START** ( ) position (Fig. 6).

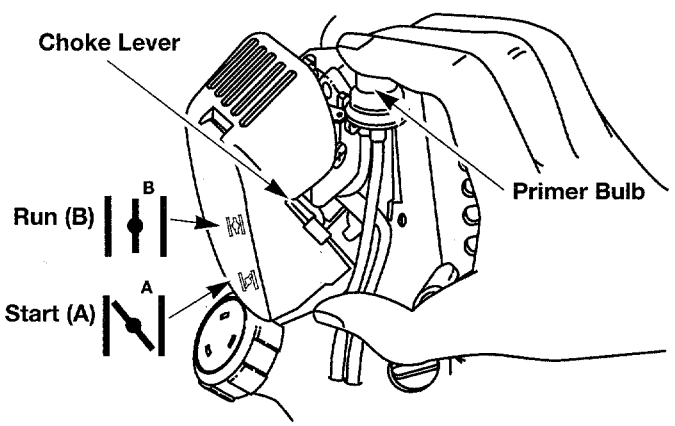


Fig. 6

6. With the unit in the starting position pull the starter rope briskly until the engine sounds as though it wants to run (normally 2 to 5 pulls) (Fig. 7).

WARNING: Avoid accidental starting. Be in the starting position whenever pulling the starting rope. To avoid serious personal injury, the operator and unit must be in a stable position while starting.

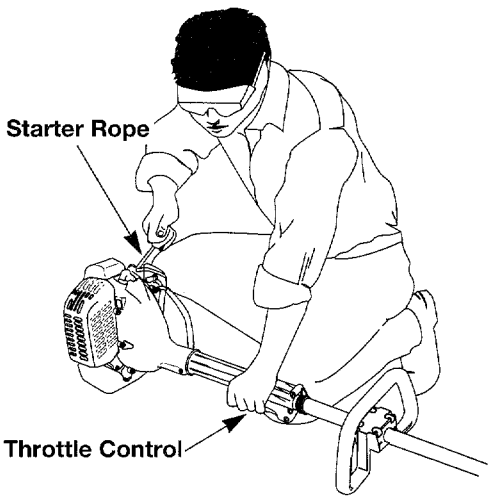


Fig. 7

NOTE: Keep the throttle control depressed at all times until the engine is warmed up.

7. Place the choke lever in the **RUN** (B) position (Fig. 6). The lever should snap up into place.
8. Pull the starter rope briskly 1 to 3 times to start the engine (Fig. 7).
9. If the engine does not start, repeat steps 5 through 8.

NOTE: If the engine floods while attempting to start the unit, place the choke lever in the **RUN** (B) position, squeeze the throttle control, and pull the starter rope briskly. The engine should start within three (3) to eight (8) pulls.

10. Depress throttle control for 5 to 10 seconds to warm up engine.

NOTE: Choking is not required when starting a warm engine. Start a warm engine with the Start/Stop Engine Control in the **START** [I] position and the choke lever in the **RUN** (B) position.

STOPPING INSTRUCTIONS

1. Release your hand from the throttle control (Fig. 7). Allow the engine to cool down by idling.
2. To stop the engine, put the Start/Stop Engine Control in the **STOP** [O] position (Fig. 5).

OPERATING INSTRUCTIONS

OPERATING THE CLICK-LINK® SYSTEM

The Click-Link® system enables the use of these optional add-ons.

Blower/Vacuum BV720r
Cultivator GC720r
Edger LE720r
Hedge Trimmer HS720r
Snow Thrower ST720r
Straight Shaft Trimmer SS725r
Sweeper/Blower SB720r
Tree Pruner TP720r
Turbo Blower TB720r

WARNING: Read and understand operator's manual for add-on prior to operation.

Removing the Cutting Attachment or Add-Ons:

1. Turn the knob counterclockwise to loosen (Fig. 8).
2. Press and hold the release button (Fig. 8).
3. While firmly holding the upper shaft housing, pull the cutting attachment or add-on straight out of the Click-Link® coupler (Fig. 9).

Installing the Cutting Attachment or Add-Ons:

WARNING: To avoid serious personal injury and damage to the unit, shut unit off before removing or installing add-ons.

NOTE: To make installing or removing the add-on easier, place the unit on the ground or on a work bench.

1. Turn knob counterclockwise to loosen (Fig.8).

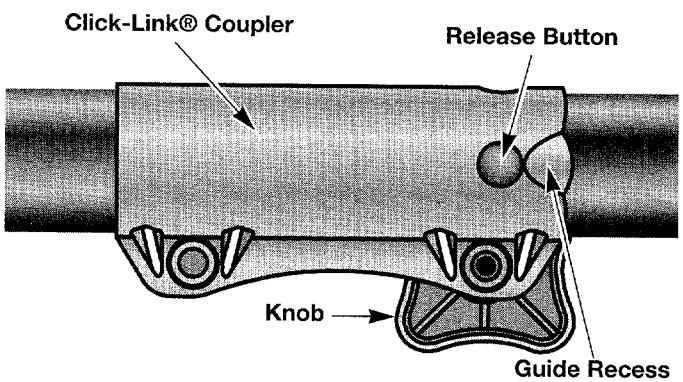


Fig. 8

2. While firmly holding the add-on, push it straight into the Click-Link® coupler (Fig. 9).

NOTE: Aligning the release button with the guide recess will help installation (Fig. 8).

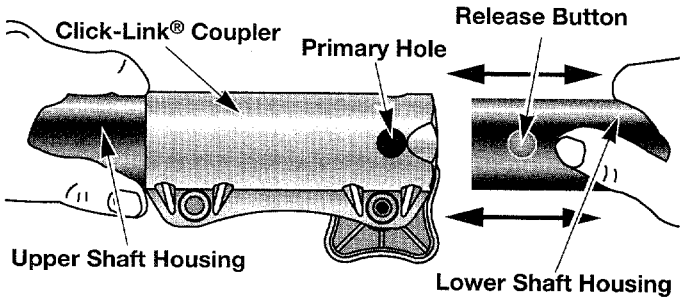


Fig. 9

3. Turn the knob clockwise to tighten (Fig. 10).

CAUTION: Lock the release button in the primary hole and securely tighten the knob before operating this unit.

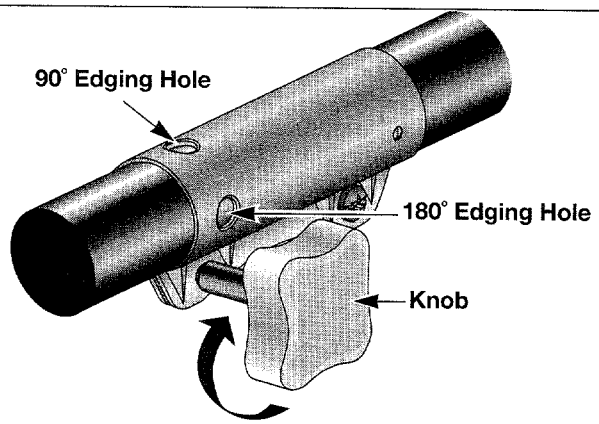


Fig. 10

CAUTION: The cutting attachment and add-ons with the Click-Link® system are to be used in the primary hole unless stated otherwise in the specific add-ons operator's manual. Using the wrong hole could lead to personal injury, or damage to the unit.

NOTE: For edging with Click-Link® models, lock the release button of the cutting attachment into the 90° edging hole or the 180° edging hole (Fig. 10).

OPERATING INSTRUCTIONS

HOLDING THE TRIMMER

WARNING: Always wear eye, hearing, foot and body protection to reduce the risk of injury when operating this unit.

Before operating the unit, stand in the operating position (Fig. 11). Check for the following:

- The operator is wearing eye protection and proper clothing.
- The right arm is slightly bent, and the hand is holding the shaft grip.
- The left arm is straight, and the hand is holding the handle.
- The unit is below waist level.
- The cutting attachment is parallel to the ground and easily contacts the vegetation to be cut without the operator having to bend over.

Fig. 11

ADJUSTING THE D HANDLE

If the D handle is not adjusted to provide you with a comfortable operation position:

1. Loosen the four (4) screws with a Phillips screwdriver (Fig. 12).
2. Position the D handle forward or backward to the location that will provide you the best grip.
3. Tighten the screws securely.

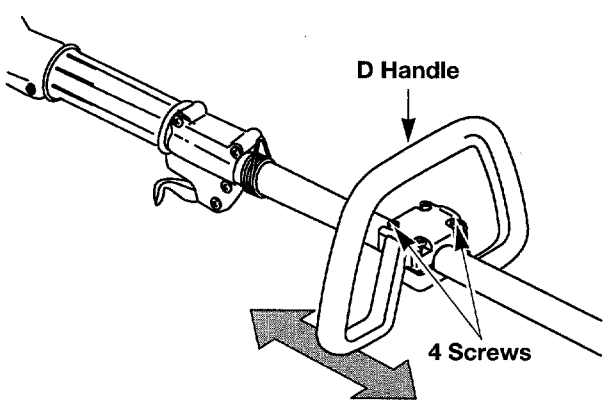


Fig. 12

ADJUSTING TRIMMING LINE LENGTH

The Bump Head™ cutting attachment allows you to release trimming line without stopping the engine. To release more line, lightly tap the cutting attachment on the ground (Fig. 13) while operating the trimmer at high speed.

NOTE: Always keep the trimming line fully extended. Line release becomes more difficult as cutting line becomes shorter

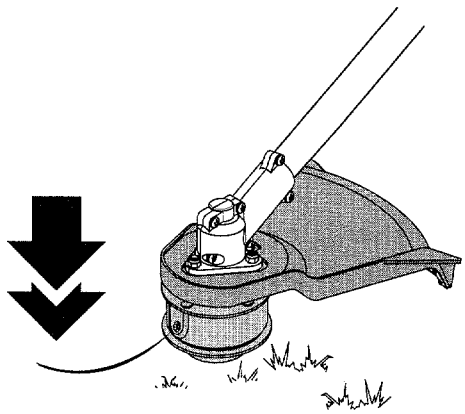


Fig. 13

Each time the head is bumped, about 1 inch (25.4 mm.) of trimming line is released. A blade in the cutting attachment shield will cut the line to the proper length if excess line is released.

For best results, tap the Bump Head™ on bare ground or hard soil. If line release is attempted in tall grass, the engine may stall. Always keep the trimming line fully extended. Line release becomes more difficult as the cutting line becomes shorter.

NOTE: Do not rest the Bump Head™ on the ground.

CAUTION: Do not remove or alter the line cutting blade assembly. Excessive line length will make the clutch overheat. This may lead to serious personal injury or damage to the unit.

Some line breakage will occur from:

- Entanglement with foreign matter
- Normal line fatigue
- Attempting to cut thick, stalky weeds
- Forcing the line into objects such as walls or fence posts

OPERATING INSTRUCTIONS

TIPS FOR BEST TRIMMING RESULTS

- Keep the cutting attachment parallel to the ground.
- Do not force the cutting attachment. Allow the tip of the line to do the cutting, especially along walls. Cutting with more than the tip will reduce cutting efficiency and may overload the engine.
- Cut grass over 8 in. (200 mm.) by working from top to bottom in small increments to avoid premature line wear or engine drag.
- Cut from left to right whenever possible. Cutting to the right improves the unit's cutting efficiency. Clippings are thrown away from the operator.
- Slowly move the trimmer into and out of the cutting area at the desired height. Move either in a forward-backward or side-to-side motion. Cutting shorter lengths produces the best results.
- Trim only when grass and weeds are dry.
- The life of your cutting line is dependent upon;
  - Following the previous trimming techniques
  - What vegetation is being cut
  - Where it's being cut

For example, the line will wear faster when trimming against a foundation wall as opposed to trimming around a tree.

DECORATIVE TRIMMING

Decorative trimming is accomplished by removing all vegetation around trees, posts, fences, etc.

Rotate the whole unit so that the cutting attachment is at a 30° angle to the ground (Fig. 14).

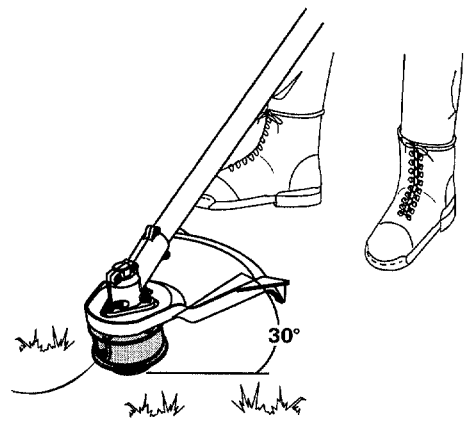


Fig. 14

MAINTENANCE AND REPAIR INSTRUCTIONS

NOTE: Some maintenance procedures may require special tools or skills. If you are unsure about these procedures take your unit to an authorized service dealer.

WARNING: To prevent serious injury, never do maintenance or repairs with unit running. Always do maintenance and repairs on a cool unit. Disconnect spark plug wire to ensure the unit will not start.

MAINTENANCE SCHEDULE

These required maintenance procedures should be performed at the frequency stated in the table. They should also be included as part of any seasonal tune-up.

FREQUENCY	MAINTENANCE REQUIRED	REFER TO:
Before Starting Engine	Fill fuel tank with fresh fuel Check oil	Page 10 Page 17
Every 10 Hours	Clean and re-oil air filter.	Page 17
Every 25 Hours	Change oil	Page 17
Every 50 Hours	Check rocker arm to valve clearance and adjust as required Check spark plug condition and gap	Page 20-21 Page 21

LINE INSTALLATION

'ways use genuine Ryobi 0.095 inch (2.41 mm.) ,eplacement line. Larger line may make the engine overheat or fail.

WARNING: Never use metal-reinforced line, wire, or rope, etc.. These can break off and become a dangerous projectile.

There are two methods to replace the trimming line.

- Wind the inner reel with new line
- Install a prewound inner reel

NOTE: Replacement line Part # 612454, or a prewound reel, Part # 147345 can be purchased from your local authorized dealer.

Winding the Existing Inner Reel

1. Hold the outer spool with one hand and unscrew the Bump Knob™clockwise (Fig. 15). Inspect the bolt inside the Bump Knob™ to make sure it moves freely. Replace the Bump Knob™ if damaged.

NOTE: A Bump Knob™, Part # 180814 can be purchased from your local authorized dealer.

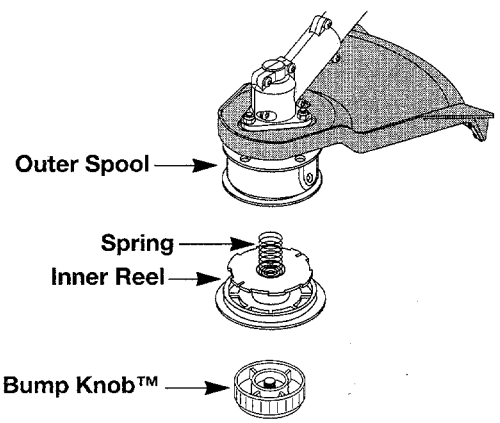


Fig. 15

2. Remove the inner reel from the outer spool (Fig. 15).
3. Remove spring from the inner reel (Fig. 15).

NOTE: An inner reel spring, Part # 610636 can be purchased from your local authorized dealer.

4. Use a clean cloth to clean the the inner reel, spring, shaft, and inner surface of the outer spool (Fig. 16).

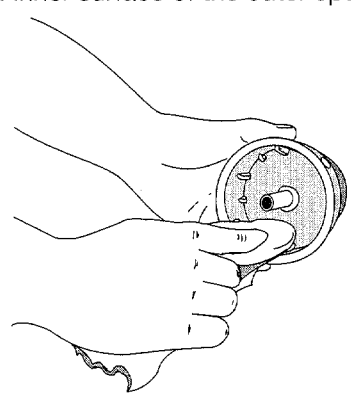


Fig. 16

5. Check the indexing teeth on the inner reel and outer spool for wear (Fig. 17). If necessary, remove burrs or replace the reel and spool.

NOTE: A cutting attachment outer spool, Part # 147494 can be purchased from your local authorized dealer.

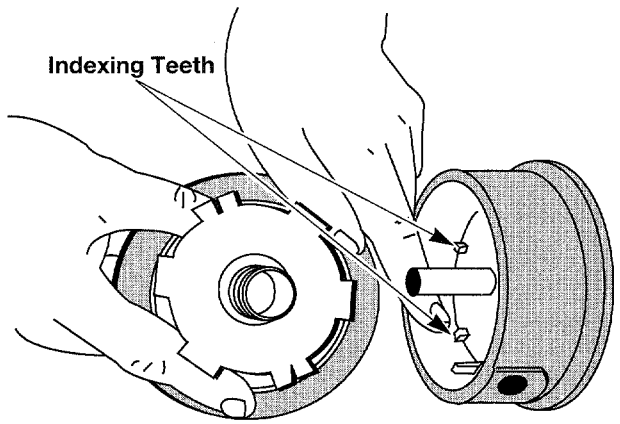


Fig. 17

6. Take approximately 25 feet (7.6 m) of new 0.095 inch diameter trimming line, loop it into two equal lengths. Insert each end of the line through one of the two holes in the inner reel (Fig. 18). Pull the line through the inner reel so that the loop is as small as possible.

NOTE: Always use the correct line length when installing trimming line on the unit. The line may not release properly if the line is too long.

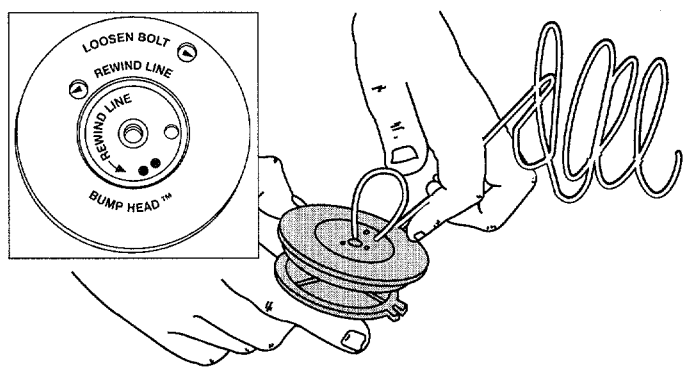


Fig. 18

7. Wind the lines in tight even layers, onto the reel (Fig.19). Wind the line in the direction indicated on the inner reel. Place your index finger between the two lines to stop the lines from overlapping. Do not overlap the ends of the line.

NOTE: Failure to wind the line in the direction indicated will cause the cutting attachment to operate incorrectly.

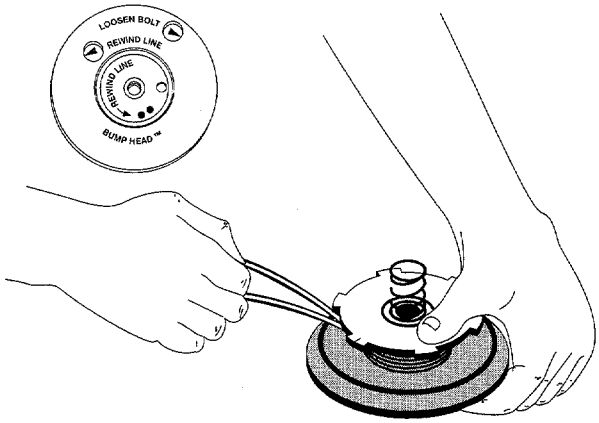


Fig. 19

8. Insert the ends of the line into the two holding slots and cut to the same length (Fig. 20).

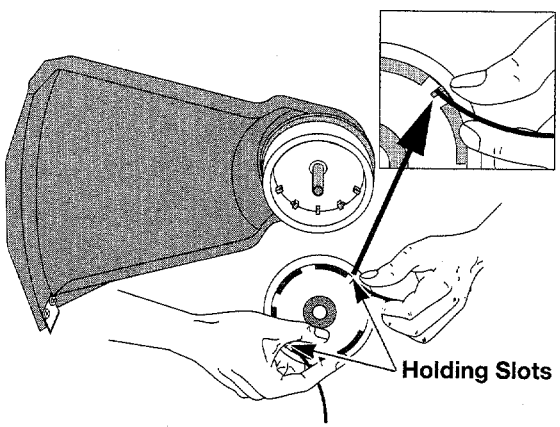


Fig. 20

9. Place the spring in the inner reel. Insert the ends of the line through the eyelets in the outer spool and place inner reel inside the outer spool (Fig. 21). Push the inner reel and outer spool together. While holding the inner reel and outer spool, grasp the ends and pull firmly to release the line from the holding slots in the spool.

NOTE: The spring must be assembled on the inner reel before reassembling the cutting attachment.

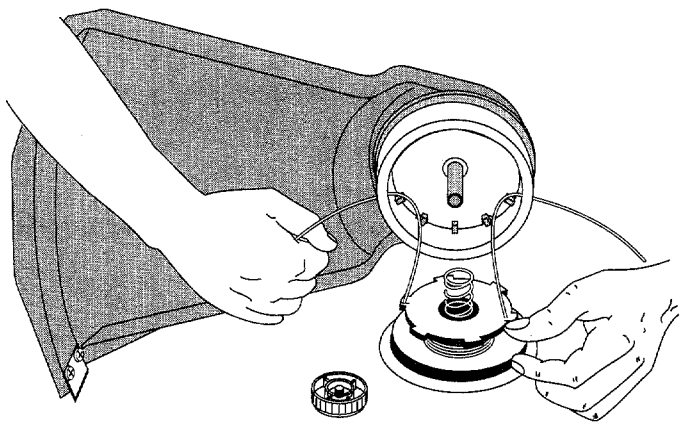


Fig. 21

10. Hold the inner reel in place and install the Bump Knob™ by turning counterclockwise. Tighten securely.

Installing a Prewound Reel

1. Hold the outer spool with one hand and unscrew the Bump Knob™ counterclockwise (Fig. 15). Inspect the bolt inside the Bump Knob™ to make sure it moves freely. Replace the Bump Knob™ if damaged.
2. Remove the old inner reel from the outer spool (Fig. 15)
3. Remove the spring from the old inner reel (Fig. 15).
4. Place the spring in the new inner reel.

NOTE: The spring must be assembled on the inner reel before reassembling the cutting attachment.

5. Insert the ends of the line through the eyelets in the outer spool (Fig. 21).
6. Place the new inner reel inside the outer spool. Push the inner reel and outer spool together. While holding the inner reel and outer spool, grasp the ends and pull firmly to release the line from the holding slots in the spool.
7. Hold the inner reel in place and install the Bump Knob™ by turning clockwise. Tighten securely.

MAINTENANCE AND REPAIR INSTRUCTIONS

CHECKING THE OIL LEVEL

CAUTION: To prevent extensive engine wear and damage to the unit, always maintain the proper oil level in the crankcase. Never operate the unit with the oil level below the bottom of the dipstick.

The importance of checking and maintaining the proper oil level in the crankcase cannot be overemphasized. Check oil before each use:

1. Stop engine and allow oil to drain into the crankcase.
2. Place the unit on a flat, level surface to get a proper oil level reading.
3. Keep dirt, grass clippings, etc., out of the engine. Clean the area around the oil fill plug/dipstick before removing it.
4. Remove the oil fill plug/dipstick and wipe off oil. Reinsert it all the way back in.
5. Remove the oil fill plug/dipstick and check oil level. Oil should be up to the top of the dipstick (Fig. 22).

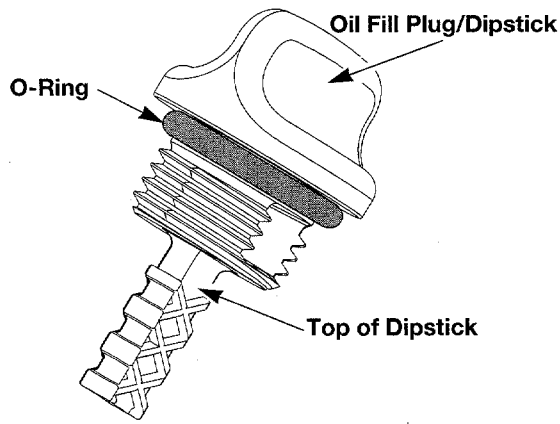


Fig. 22

6. If the level is low, add a small amount of oil to the oil fill hole and recheck (Fig. 23). Repeat until the oil level reaches the top of the dipstick.

NOTE: Do not overfill the unit.

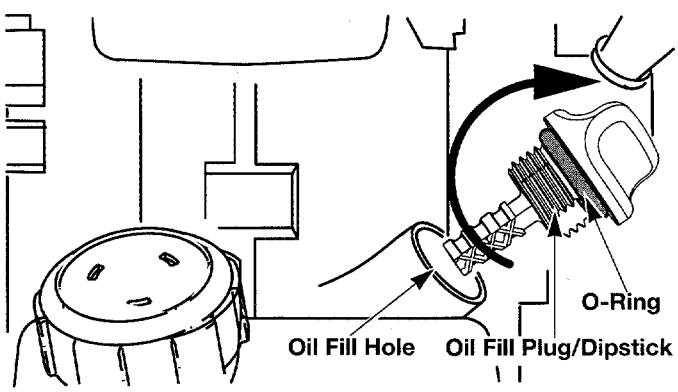


Fig. 23

OTE: Make sure the O-ring is in place on the oil fill plug/dipstick when checking and changing the oil (Fig. 23).

CHANGING THE OIL

For a new engine, change the oil after the first 10 hours of operation. Thereafter, change the oil after every 25 hours or before storing the unit for an extended period of time.

It is best to change the oil while the engine is still warm. The oil will flow freely and carry away more impurities.

CAUTION: Wear gloves to prevent injury when handling the unit.

1. Unplug spark plug boot to eliminate starting
2. Remove the oil fill plug/dipstick.
3. Pour the oil out of the oil fill hole and into a container by tipping the unit to a vertical position (Fig. 24). Allow ample time for complete drainage.

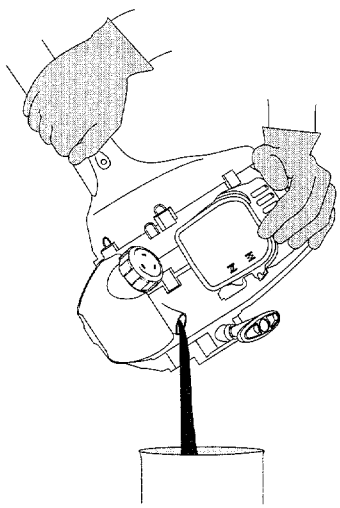


Fig. 24

4. Wipe up any oil residue on the unit and clean up any oil that may have spilled. Dispose of the oil according to Federal, State and local regulations.
5. Refill the crankcase with 3.4 fluid oz (100 ml) of SAE 30 SF, SG, SH oil. Use the bottle and spout from initial use to measure the correct amount.
6. Replace the oil fill plug/dipstick.
7. Reconnect spark plug boot.

MAINTENANCE AND REPAIR INSTRUCTIONS

AIR FILTER MAINTENANCE

Cleaning the Air Filter

WARNING: To avoid serious personal injury, always turn your trimmer off and allow it to cool before you clean or do any maintenance on it.

Clean and re-oil the air filter every 10 hours of operation. It is an important item to maintain. Not maintaining the air filter will **VOID** the warranty.

1. Place the choke lever between the RUN (B) position and the START (A) position (Fig. 25).
2. Remove the air filter cover by pulling up the two tabs on the bottom back of the cover, then pull out and up (Fig. 25).
3. Remove the air filter (Fig. 25).

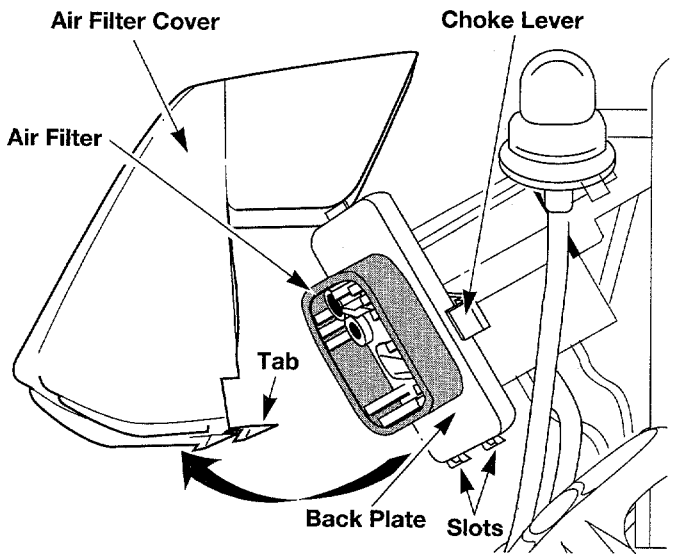


Fig. 25

4. Wash the filter in detergent and water (Fig. 26). Rinse the filter thoroughly and allow it to dry.

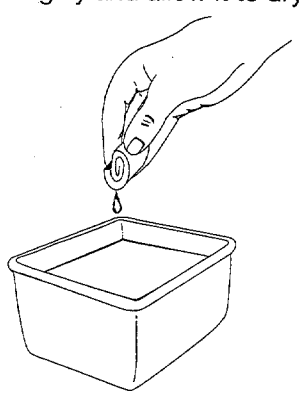


Fig. 26

5. Apply enough clean SAE 30 motor oil to lightly coat the filter (Fig. 27).

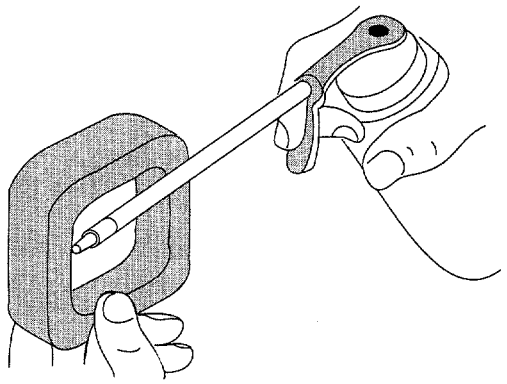


Fig. 27

6. Squeeze the filter to spread and remove excess oil (Fig. 28).

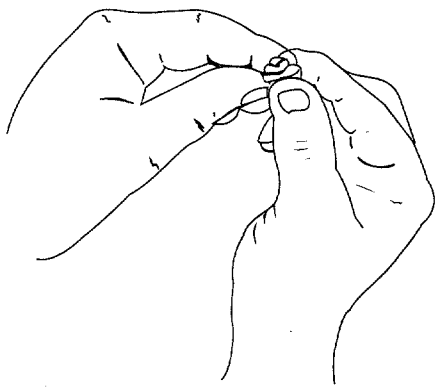


Fig. 28

7. Reinstall the filter (Fig. 29).

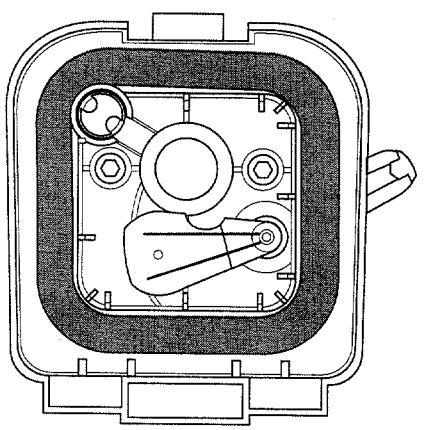


Fig. 29

8. Reinstall the air filter cover by positioning the notch on top of the air filter cover onto the tab at the top of the back plate. Be sure the choke lever in the **RUN** (B) position (Fig. 25).
9. Using two fingers on either side of the air filter cover and back plate, squeeze together until the cover snaps into place (Fig. 25).

NOTE: If the unit is operated without the air filter, you will **VOID** the warranty.

CARBURETOR ADJUSTMENT

e idle speed of the engine is adjustable though the Air ..ter/muffler cover (Fig 30).

NOTE: Careless adjustments can seriously damage your unit. An authorized service dealer should make carburetor adjustments.

Check Fuel Mixture

Old fuel is usually the main reason for the unit not running properly. Drain and refill the tank with clean, fresh unleaded fuel prior to doing any adjustments. Refer to **Oil and Fuel Information**.

Clean Air Filter

The condition of the air filter is important to the operation of the unit. A dirty air filter will restrict air flow and change the air/fuel mixture. This is often mistaken for an out of adjustment carburetor. Check the condition of the air filter before adjusting the idle speed screw. Refer to **Air Filter Maintenance**.

Adjust Idle Speed Screw

WARNING: The cutting attachment may be spinning during idle speed adjustment. Wear protective clothing and observe all safety instructions to prevent serious personal injury.

If after checking the fuel mixture and cleaning the air filter the engine still will not idle, adjust the idle speed screw as follows.

Start the engine and let it run at a high idle for a minute to warm up.

2. Release the throttle trigger and let the engine idle. If the engine stops, insert a small phillips or flat blade screwdriver into the hole in the air filter/muffler cover (Fig. 30). Turn the idle speed screw in, clockwise, 1/8 of a turn at a time (as needed) until the engine idles smoothly.

NOTE: The cutting attachment should not rotate when the engine idles.

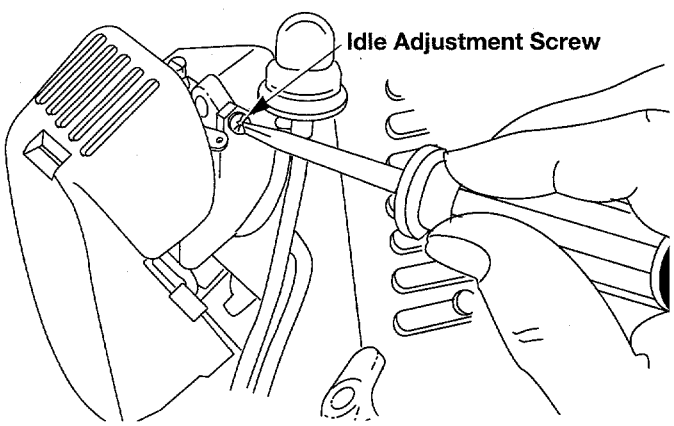


Fig. 30

3. If the cutting attachment rotates when the engine idles, turn the idle speed screw counterclockwise 1/8 of a turn at a time (as needed), to reduce idle speed.

Checking the fuel mixture, cleaning the air filter, and adjusting the idle speed screw should solve most engine problems.

If not and:

- The engine will not idle,
- The engine hesitates or stalls on acceleration,
- There is a loss of engine power,

have the carburetor adjusted by an authorized service dealer.

WARNING: When the unit is turned off make sure the cutting attachment has stopped before the unit is set down to prevent serious personal injury.

ROCKER ARM CLEARANCE

NOTE: This requires some disassembly of the engine. If you feel unsure or unqualified to perform this, take the unit to an authorized service center.

Inspect the valve to rocker arm clearance every 50 hours of operation using a flat feeler gauge.

NOTE: The engine must be cold when checking or adjusting the valve clearance.

This task should be performed inside, in a clean, dust free area.

1. Loosen the four (4) screws shown in figure 31.

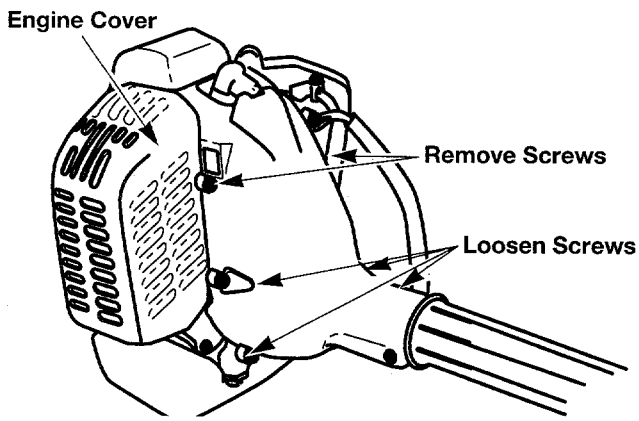


Fig. 31

2. Remove the three (3) screws that secure the engine cover (Figs. 31 and 32).

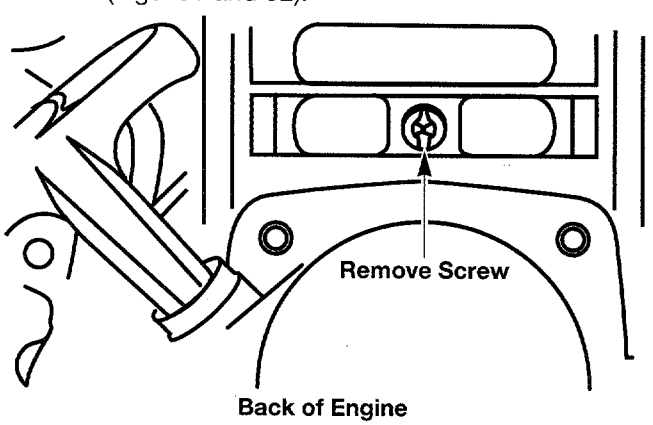


Fig. 32

3. Disconnect the spark plug wire.
4. Remove the spark plug
5. Remove the engine cover (Fig. 31).
6. Remove the screw holding the rocker arm cover with a large flat blade screwdriver or Torx T25 bit (Fig. 33). Remove the rocker arm cover, and gasket.

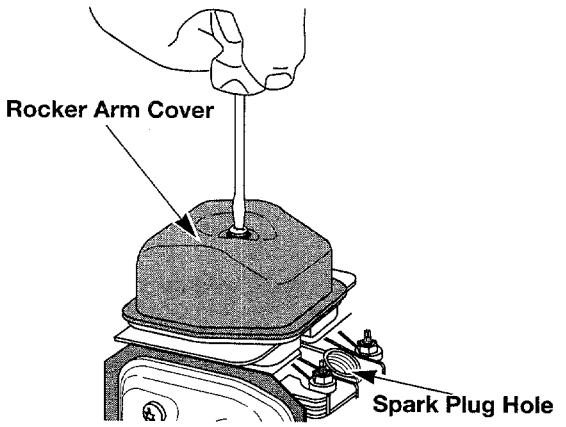


Fig. 33

7. Pull the starter rope slowly to bring the piston to Top Dead Center.
   - While looking in the spark plug hole (Fig. 33), the piston is at the top of the stroke.
     - Both valves are closed.
     - Both rocker arms move freely.

If not, repeat this step.

8. Slide the feeler gauge between the rocker arm and the valve return spring. Measure the clearance between the valve stem and rocker arm (Fig 34). Do both intake and exhaust valves.

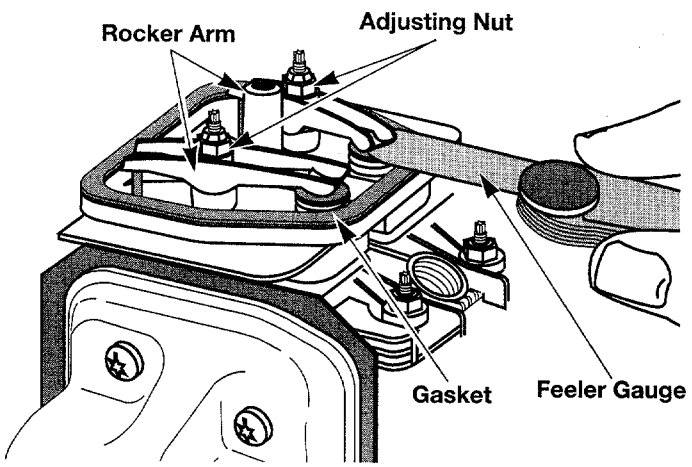


Fig. 34

The recommended clearance for both intake and exhaust is .003–.006 in. (.076–.0152 mm). The feeler gauge should slide between the rocker arm and valve stem with a slight amount of resistance, without binding.

9. If the clearance is not within specification:

a. Turn the adjusting nut using a 5/16 inch (8 mm) wrench or nut driver (Fig. 34).

   To increase clearance, turn the adjusting nut counterclockwise.

   To decrease clearance, turn the adjusting nut clockwise.

b. Recheck both clearances, and adjust as necessary.

10. Reinstall the rocker arm cover using a new gasket. Torque the screw to 20–30 in•lb (2.2–3.4 N•m).

NOTE: A gasket, Part # 182099 can be purchased from your local authorized dealer.

11. Reinstall the engine cover. Check alignment of the cover before tightening the screws. Tighten screws.
12. Check the spark plug and reinstall. See **Replacing the Spark Plug**.
13. Replace the spark plug wire.

REPLACING THE SPARK PLUG

Use a Champion RDZ19H spark plug (or equivalent). The correct air gap is **0.025 in. (0.655 mm.)**. Remove the plug after every 50 hours of operation and check its condition.

1. Stop the engine and allow it to cool. Grasp the plug wire firmly and pull the cap from the spark plug.
2. Clean dirt from around the spark plug. Remove the spark plug from the cylinder head by turning a 5/8 in. socket counterclockwise.
3. Replace cracked, fouled or dirty spark plug. Set the air gap at 0.020 in. (0.5 mm.) using a feeler gauge (Fig. 35).

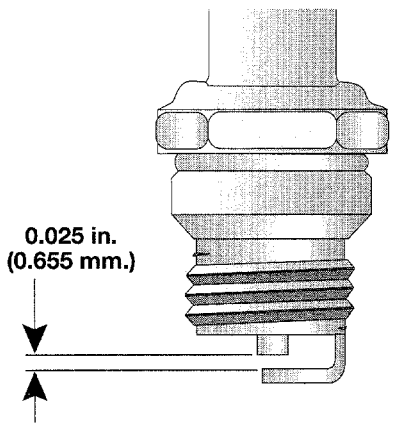


Fig. 35

CAUTION: Do not sand blast, scrape, or clean electrodes. Grit in the engine could damage the cylinder.

4. Install a correctly gaped spark plug in the cylinder head. Tighten by turning the 5/8 in. socket clockwise until snug.

If using a torque wrench torque to;

110-120 in.•lb. (12.3-13.5 N•m).

Do not over tighten.

MAINTENANCE AND REPAIR INSTRUCTIONS

ACCESSORIES/REPLACEMENT PARTS

4-Cycle Oil 181786
Oil Fill Plug / Dipstick 181975
Spark Plug 180852
Spark Arrestor 182153
Replacement Line Cartridge 147345
Inner Reel Spring 610636
Bump Head Knob Assembly 180814
Fuel Cap 181083
Shoulder Harness 682075
Click-Link Coupler 181616

The 1079r trimmer is convertible to a brushcutter with the optional Brush Blade Kit. The kit contains all the necessary parts to safely convert the trimmer to brushcutter capability.

NOTE: A Brush Blade Kit, Part # 300026 can be purchased from your local authorized dealer.

CLEANING AND STORAGE

CLEANING

WARNING: To avoid serious personal injury, always turn your trimmer off and allow it to cool before you clean or do any maintenance on it.

Use a small brush to clean off the outside of the unit. Do not use strong detergents. Household cleaners that contain aromatic oils such as pine and lemon, and such as kerosene, can damage plastic housing or handle. Wipe off any moisture with a soft cloth.

STORAGE

- Never store the unit with gasoline in the tank where fumes may reach an open flame or spark.
- Allow the engine to cool before storing.
- Store the unit locked up to prevent unauthorized use or damage.
- Store the unit in a dry, well ventilated area.
- Store the unit out of the reach of children.

LONG TERM STORAGE

If the unit will be stored for an extended time,

1. Drain all gasoline from the gas tank into a container . Do not use gas that has been stored for more than 60 days. Dispose of the old gasoline in accordance to Federal, State, and Local regulations.
2. Start the engine and allow it to run until it stalls. This ensures that all gasoline has been drained from the carburetor.
3. Allow the engine to cool. Remove the spark plug and put 1 oz. (30 ml.) of high quality motor oil into the cylinder. Pull the starter rope slowly to distribute the oil. Reinstall the spark plug.

NOTE: Remove the spark plug and drain all of the oil from the cylinder before attempting to start the trimmer after storage.

4. Thoroughly clean the unit and inspect for any loose or damaged parts. Repair or replace damaged parts and tighten loose screws, nuts or bolts. The unit is ready for storage.

TRANSPORTING

- Allow the engine to cool before transporting.
- Secure the unit while transporting.
- Drain the gas tank before transporting.
- Tighten gas cap before transporting.

TROUBLESHOOTING

ENGINE WILL NOT START

CAUSE	ACTION
Ignition switch is OFF	Turn switch to ON
Empty gas tank	Fill gas tank
Primer bulb wasn't pressed enough	Press primer bulb fully and slowly 5-7 times
Engine flooded	Use starting procedure with choke lever in the RUN position, Pg. 11
Old Gasoline	Drain gas tank / Add fresh Gasoline
Fouled spark plug	Replace or clean the spark plug

ENGINE WILL NOT IDLE

CAUSE	ACTION
Air Filter is Plugged	Replace or clean the air filter
Old Gasoline	Drain gas tank / Add fresh Gasoline
Improper carburetor adjustment	Adjust per instruction Pg. 19

ENGINE WILL NOT ACCELERATE

CAUSE	ACTION
Old Gasoline	Drain gas tank / Add fresh Gasoline
Improper carburetor adjustment	Take to an authorized service dealer for carburetor adjustment
Cutting head bound with grass	Stop the engine and clean the cutting attachment
Dirty air filter	Clean or replace the air filter

ENGINE LACKS POWER OR STALLS WHEN CUTTING

CAUSE	ACTION
Old Gasoline	Drain gas tank / Add fresh Gasoline
Improper carburetor adjustment	Take to an authorized service dealer for carburetor adjustment

CUTTING HEAD WILL NOT ADVANCE LINE

CAUSE	ACTION
Cutting head bound with grass	Stop the engine and clean cutting attachment
Cutting head out of line	Refill with new line
Inner reel bound up	Replace the inner reel
Cutting head dirty	Clean inner reel and outer spool
Line welded	Disassemble, remove the welded section and rewind the line
Line twisted when refilled	Disassemble and rewind the line
Not enough line is exposed	Push the Bump Knob and pull out line until 4 in. (102 mm.) of line is outside of the cutting attachment

If further assistance is required, contact your authorized service dealer.

SPECIFICATIONS

ENGINE

ENGINE

Engine Type	Air-Cooled, 4-Cycle
Displacement	1.6 cu. in. (26.2 cc)
Clutch Type	Centrifugal
Operating RPM (Trimmer)	7,700-8,600 rpm
Idle Speed RPM	2,800-3,400 rpm
Ignition Type	Electronic
Ignition Switch	Toggle Switch
Valve clearance (intake and exhaust)	.003–.006 in. (.076–.0152 mm)
Spark Plug Gap	0.025 inch (0.655 mm)
Lubrication	SAE 30 Oil
Crankcase Oil Capacity	3.4 oz (100 ml)
Fuel	Unleaded
Carburetor	Diaphragm, All-Position
Starter	Auto Rewind
Muffler	Baffled with Guard
Throttle	Manual Spring Return
Fuel Tank Capacity	20 oz (591 ml)
Fuel Tank	HD Polyethylene

DRIVE SHAFT & CUTTING ATTACHMENT

Drive Shaft Housing	Aluminum Tube (Click-Link)
Throttle Control	Finger-Tip Trigger
Unit Weight (No Fuel, with D-handle, Cutting attachment shield and Cutting attachment)	13.5 lbs (6.13 kg)
Cutting Mechanism	Dual String Cutting Head
Shoulder Strap	Single Quick-Snap
Line Spool	Bump Line Releaser
Line Spool Diameter	4 inches (101.6 mm)
Trimming Line Diameter	0.095 inches (2.41 mm)
Cutting Path Diameter	18 inches (44.0 cm)
Gear Box Ratio	1.23:1

CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT
YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board and Ryobi Outdoor Products (ROP), are pleased to explain the emission control system warranty on your 1995 and later small off-road engine. In California, new small off-road engines must be designed, built and equipped to meet the State's stringent anti-smog standards. ROP must warrant the emission control system on your small off-road engine for the periods of time listed below provid ed there has been no abuse, neglect or improper maintenance of your small off-road engine.

Your emission control system may include parts such as the carburetor or fuel injection system, the ignition system, and catalytic converter. Also included may be hoses, belts, connectors and other emission-related assemblies.

Where a warrantable condition exists, ROP will repair your small off-road engine at no cost to you including diagnosis, parts and labor.

The 1995 and later small off-road engines are warranted for two years. If any emission-related part on your engine is defective, the part will be repaired or replaced by ROP

OWNER'S WARRANTY RESPONSIBILITIES:

- As the small off-road engine owner, you are responsible for the performance of the required maintenance listed in your operator's manual. ROP recommends that you retain all receipts covering maintenance on your small off-road engine, but ROP cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.
- As the small off-road engine owner, you should however be aware that ROP may deny you warranty coverage if your small off-road engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.
- You are responsible for presenting your small off-road engine to a Ryobi Authorized Service Center as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should call 1-800-345-8746.

MANUFACTURER'S WARRANTY COVERAGE:

- The warranty period begins on the date the engine or equipment is delivered to the retail purchaser.
- The manufacturer warrants to the initial owner and each subsequent purchaser, that the engine is free from defects in material and workmanship which cause the failure of a warranted part for a period of two years.
- Repair or replacement of warranted part will be performed at no charge to the owner at an Authorized Ryobi Service Center. For the nearest location, please contact Ryobi at: 1-800-345-8746.
- Any warranted part which is not scheduled for replacement, as required maintenance which is scheduled only for regular inspection to the effect of "Repair or replace as necessary" is warranted for the warranty period. Any warranted part which is scheduled for replacement as required maintenance will be warranted for the period of time up to the first scheduled replacement point for that part.
- The owner will not be charged for diagnostic labor which leads to the determination that a warranted part is defective, if the diagnostic work is performed at an Authorized Ryobi Service Center.
- The manufacturer is liable for damages to other engine components caused by the failure of a warranted part still under warranty.
- Failures caused by abuse, neglect or improper maintenance are not covered under warranty.
- The use of add-on or modified parts can be grounds for disallowing a warranty claim. The manufacturer is not liable to cover failures or warranted parts caused by the use of add-on or modified parts.
- In order to file a claim, go to your nearest Authorized Ryobi Service Center. Warranty services or repairs will be provided at all Authorized Ryobi Service Centers.
- Any manufacturer approved replacement part may be used in the performance of any warranty maintenance or repair of emission related parts and will be provided without charge to the owner. Any replacement part that is equivalent in performance or durability may be used in non-warranty maintenance or repair and will not reduce the warranty obligations of the manufacturer.
- The following components are included in the emission related warranty of the engine, air filter, carburetor, primer, fuel lines, fuel pick up/fuel filter, ignition module, spark plug and muffler.

LIMITED TWO-YEAR WARRANTY

RYOBI OUTDOOR PRODUCTS warrants each new RYOBI Product for two (2) years according to the following terms.

This warranty extends to the original retail purchaser only and commences on the date of original retail purchase.

Any part of the RYOBI Product manufactured or supplied by RYOBI and found in the reasonable judgement of RYOBI to be defective in material or workmanship will be repaired or replaced by an authorized RYOBI service dealer without charge for parts and labor.

The RYOBI Product including any defective part must be returned to an authorized service dealer within the warranty period. The expense of delivering the RYOBI Product to the dealer for warranty work and the expense of returning it back to the owner after repair or replacement will be paid for by the owner. RYOBI's responsibility in respect to claims is limited to making the required repairs or replacements and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any RYOBI Product. Proof of purchase will be required by the dealer to substantiate any warranty claim. All warranty work must be performed by an authorized RYOBI service dealer.

This warranty is limited to ninety (90) days from the date of original retail purchase for any RYOBI Product that is used for rental or commercial purposes, or any other income-producing purpose.

This warranty does not cover any RYOBI Product that has been subject to misuse, neglect, negligence, or accident, or that has been operated in any way contrary to the operating instructions as specified in the RYOBI Operator's Manual. This warranty does not apply to any damage to the RYOBI Product that is the result of improper maintenance or to any RYOBI Product that has been altered or modified so as to adversely affect the product's operation, performance or durability or that has been altered or modified so as to change its intended use. The warranty does not extend to repairs made necessary by normal wear or by the use of parts or accessories which are either incompatible with the RYOBI Product or adversely affect its operation, performance or durability.

In addition, this warranty does not cover:

A. Tune-ups - Spark Plugs, Carburetor Adjustments, Filters

B. Wear items - Bump Knobs, Outer Spools, Cutting Line, Inner Reels, Starter Pulley, Starter Ropes, Drive Belts

RYOBI reserves the right to change or improve the design of any RYOBI Product without assuming any obligation to modify any product previously manufactured.

ALL IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE TWO (2) YEAR WARRANTY PERIOD OR NINETY (90) DAYS FOR PRODUCTS USED FOR ANY COMMERCIAL PURPOSE. ACCORDINGLY, ANY SUCH IMPLIED WARRANTIES INCLUDING MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE, ARE DISCLAIMED IN THEIR ENTIRETY AFTER THE EXPIRATION OF THE APPROPRIATE TWO-YEAR OR NINETY DAY WARRANTY PERIOD. RYOBI'S OBLIGATION UNDER THIS WARRANTY, IS STRICTLY AND EXCLUSIVELY LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS, AND ROP DOES NOT ASSUME OR AUTHORIZE ANYONE TO ASSUME FOR THEM ANY OTHER OBLIGATION. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

RYOBI ASSUMES NO RESPONSIBILITY FOR INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES INCLUDING, BUT NOT LIMITED TO EXPENSE OF RETURNING THE RYOBI PRODUCT TO AN AUTHORIZED SERVICE DEALER AND EXPENSE OF DELIVERING IT BACK TO THE OWNER, MECHANIC'S TRAVEL TIME, TELEPHONE OR TELEGRAM CHARGES, RENTAL OF A LIKE PRODUCT DURING THE TIME WARRANTY SERVICE IS BEING PERFORMED, TRAVEL, LOSS OR DAMAGE TO PERSONAL PROPERTY, LOSS OF REVENUE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, OR INCONVENIENCE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This warranty applies to all RYOBI Products manufactured by RYOBI and sold in the United States and Canada.

To locate your nearest service dealer dial 1-800-345-8746 in the United States or 1-800-265-6778 in Canada.

RYOBI®

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SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

FOR QUESTIONS CALL 1-800-345-8746 IN U.S.
OR 1-800-265-6778 IN CANADA

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